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III. *An Observation of the Eclipse of the Moon, by Arthur Dobbs, Esq; at Castle-Dobbs near Carrickfergus in Ireland, Feb. the 2d, 1728-9; communicated by Oliver St. John, Esq; F.R.S.*

Castle-Dobbs, Feb. the 8th, 1728-9.

Dear S I R,

HAVING had a fine Observation of the Eclipse of the Moon which happened last *Sunday* Evening, I have sent you it to communicate to the *Royal Society*, to ascertain our Longitude here, and in other Places where it was observed.

The Observation was made by a nine Foot Glas. Having adjusted a monthly Pendulum Clock by a Meridian Line on the 30th of *Jan.* and further corrected by the Meridian, *Feb.* the 6th 1728-9.

Hours apparent Time.

	h	'	"	
p. m. 6	-	27	-	0 - - Penumbra observed.
		29	-	30 - - Moon's Limb immersed.
		33	-	0 - - { Eastern Limit of Palus
				{ Mareotis immersed.
		35	-	50 - - Mons Climan. immersed.
		42	-	40 - - Mons Porphyrites immersed.
		50	-	0 - - Infula Melis immersed.
		52	-	40 - - Mons Ætna immersed.
		54	-	20 - - Inf. Sardinia immersed.
		56	-	20 - - Inf. Rhodes immersed.
		58	-	0 - - Inf. Corfica immersed.
				^h 7 - 0'

Hours apparent Time.

	h	'	"	
p. m.	7	0	30	- - { Mons Sinai's, Eastern Limit immersed.
	2	0	-	- Mons Sinai totally immersed.
	6	50	-	- { Inf. Besbicus, Eastern Limit immersed.
	11	50	-	- Mons Herminius immersed.
	13	50	-	- Promontory Archeroulia im.
	22	0	-	- { Mare Caspium, Eastern Limit immersed.
	24	20	-	- { Palus Mæotis, Eastern Limit immersed.
	27	30	-	- Palus Mæotis, totally immerg.
	30	15	-	- Moon totally immersed.
	9	8	30	- - { Moon's Eastern Limb emer- ged near Mons Acabe.
	13	0	-	- Palus Mareotis emerged.
	15	0	-	- Mons Climan. emerged.
	23	30	-	- Mons Porphyrites emerged.
	29	10	-	- Mons Sinai emerged.
	33	30	-	- Mons Ætna emerged.
	49	0	-	- Inf. Besbicus emerged.
	10	1	0	- - { Mare Caspium, Eastern Limit emerged.
	5	0	-	- Palus Mæotis emerged.
	10	0	-	- { A Penumbra observed, the Moon's Limb emerging.
	11	0	-	- The Limb evidently emerged.

From the Beginning to the End of the Eclipse $3^h 44'$
 Totally Eclipsed — $1^h 38' 15''$